

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) An electronic signal processing apparatus with a signal switch, the switch comprising:

a switch input, a switch output and an internal node;

a first and a second depletion transistor, having main current channels coupled between the internal node and the switch input and output, respectively;

a signal processing arrangement between the internal node and a common reference terminal conductor of the switch input and switch output, the signal processing arrangement comprising:

a diode; and

a switch control circuit ~~with~~ having a first control output, output and a second control output, wherein the first control output is coupled to the common reference conductor and wherein the second control output is coupled to the main current channels of the first and the second depletion transistor via the internal node, further via the diode in a forward direction, so as to control conduction of the main current channels,

wherein the first and second depletion transistor further having control electrodes coupled to the common reference conductor,

wherein the switch has a T-type attenuator structure having a leg and at least one branch, the diode being disposed in the leg of the T-type attenuator structure and at least one transistor being disposed in the branch of the T-type attenuator structure, the T-type structure enabling the switch to remain in an "on" state even in the absence of a power supply an "off" state control voltage at the internal node, and

wherein the internal ~~mode~~ node applies a control voltage, in response to a signal on the second control output of the switch control circuit that is configured for forward-

biasing the diode, that switches the switch to both the transmitter and the diode via the at least one transistor to an "off" state.

2. (currently amended) An electronic signal processing apparatus as claimed in claim 1, wherein the diode is part of a current path from the second control output to the internal node, ~~so that~~ wherein response to the second control output enabling the current path, the diode is forward-biased ~~when~~ and a control voltage that makes the main current channels non-conductive is applied from the second control output to the main current channels via the diode.

3. (currently amended) An electronic signal switch, the switch comprising
a switch input, a switch output and an internal node;
a first and a second depletion transistor, having main current channels coupled between the internal node and the switch input and switch output, respectively;
a signal connection between the internal node and a common reference terminal conductor of the switch input and output, the signal connection comprising:
a diode; and
a control input, coupled to the main current channel of the first and the second depletion transistor via the internal node, further via the diode in a forward direction, to control conduction of the main current channels,
wherein the first and second depletion transistor further having control electrodes coupled to the common reference conductor,
wherein the switch has a T-type attenuator structure having a leg and at least one branch, the diode being disposed in the leg of the T-type attenuator structure and at least one transistor being disposed in the branch of the T-type attenuator structure, the T-type structure enabling the switch to remain in an "on" state even in the absence of ~~a power supply~~ an "off" state voltage at the internal node, and

wherein the internal ~~mode~~ node applies a control voltage, in response to a signal at the control input that is configured for forward-biasing the diode, that switches the switch ~~to both the transmitter and the diode~~ via the at least one transistor to an "off" state.

4. (currently amended) An electronic signal switch as claimed in claim 3, wherein the diode is part of a current path from the control input to the internal node, ~~so that~~ wherein responsive to the control input enabling the current path, the diode is forward-biased ~~when~~ and a control voltage that makes the main current channels non-conductive is applied from the control ~~output~~ input to the main current channels via the diode.